Date: 04-08-2023

NC/QC/PVNK/2023-24/C1

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04".)

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**186 min**	Shall not be less than 30 min
2	Final setting time	**263 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.78 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.91 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.32 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus PCC

NEWZEN CONSULTANTS Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Date: 04-08-2023

NC/QC/PYNK/2023-24/PCC1

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04".}

Ref.: Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.40	0 -20	30- 70
10mm	22.10	0 -5	10- 35
4.75mm	4.90	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.20	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	85.00	60-95	75-100	85-100	
01.18	79.50	30-70	55-90	75-100	
600.mic	43.90	15-34	35-59	60-79	
300.mic	11.20	5-20	8-30	12-40	
150.mic	6.70	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus PCC

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/CE1

Date: 21-08-2023

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04".}

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**167 min**	Shall not be less than 30 min
2	Final setting time	**289 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.98 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.64 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.17 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/FA1 **Date: 21-08-2023**

1. TESTING OF FINE AGGREGATES :

Sub Testing of Fine Aggregates.
(Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04".)
Ref. Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G Venkate Gowda.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.40**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.70**	60-95	75-100	85-100	
01.18	**59.20**	30-70	55-90	75-100	
600. mic	**47.90**	15.34	35-59	60-79	
300.mic	**19.50**	5-20	8-30	12-40	
150.mic	**5.40**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.92 %**	-----
2	Silt Content	----	**0.70 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/CA1

Date: 21-08-2023

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04".}

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	99.40	85-100	90 - 100
10 mm	52.10	0 - 20	25 - 55
4.75 mm	7.60	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	22.19 %	Not to exceed 25 %
2.	Crushing value	26.86 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT BANGALORE, #304, First floor, 6th Cross,Gidadakonenahalli, Viswaneedam Post, Bangalore-560091. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/PYNK/2023-24/SM1

Date: 09-08-2023

1. **TESTING OF SAND :**

Sub: Testing of Sand used for Masonry Mortars.
(Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04".)

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	**Percentage Passing**	Specification as Per IS: 2116-1980 (Reaffirmed 2002) **Percentage Passing**	Remarks
04.75	**100.00**	100	The Sample Conforms to Grading **Specifications**
02.36	**96.30**	90-100	
01.18	**79.10**	70-100	
600. mic	**64.80**	40-100	
300.mic	**11.60**	5-70	
150.mic	**6.40**	0-15	

TABLE 1.2 ;

Sl No	**Test Conducted**	**Sample**	**Results**	**Requirements** as Per IS: 2116-1980 (Reaffirmed 2002)
1	Bulking of Sand	001	**18.30 %**	-----
2	Silt Content	----	**0.77 %**	Not more than 5%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site: From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PVNK/2023-24/SP1 **Date: 09-08-2023**

1. **TESTING OF SAND :**

Sub Testing of Sand used for Plasters.
(Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04")

Ref. Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	**Percentage Passing**	Specification as Per IS: 1542-1992 (Reaffirmed 2003) **Percentage Passing**	Remarks
10.00	**100**	100	The Sample Conforms to Grading **Specifications**
04.75	**98.70**	95-100	
02.36	**95.40**	95-100	
01.18	**93.00**	90-100	
600. mic	**86.10**	80-100	
300.mic	**39.50**	20-65	
150.mic	**9.80**	0-15	

TABLE 1.2 :

Sl No	**Test Conducted**	**Sample**	**Results**	**Requirements** as Per IS: 1542-1992 (Reaffirmed 2003)
1	Bulking of Sand	001	**16.91 %**	-----
2	Silt Content	----	**0.84 %**	Not more than 5%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site: From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/SSM1 **Date: 11-08-2023**

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04" }

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1315.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.45 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/SSM2 Date: 11-08-2023

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04" }
Ref.: Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G Venkate Gowda.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1346.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.41 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.
Abddul Kalam Park

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/CB1

Date: 31-08-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04" }

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-08-23	31-08-23	07	22500	285	12.67	**13.19**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	305	13.56	

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/CB2

Date: 31-08-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04".}

Ref.: Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-08-23	31-08-23	07	22500	305	13.56	**13.26**
	002	‘’	“	‘’	“	290	12.89	
	003	‘’	“	‘’	“	300	13.33	

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/PVNK/2023-24/CB3 Date: 31-08-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub Testing of Concrete Cubes (for 07days Compressive Strength).
(Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04" }

Ref. Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-08-23	31-08-23	07	22500	310	13.78	**13.56**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	305	13.56	

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/PYNK/2023-24/CB1A

Date: 21-09-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04".}

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-08-23	21-09-23	28	22500	405	18.00	**18.00**
	002	"	"	"	"	410	18.22	
	003	"	"	"	"	400	17.78	

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NCQC/PVNK/2023-24/CB2A

Date: 21-09-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
Project: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04" }
Ref: Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
*Name of the Agency/Contractor**: Sri. G Venkate Gowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
*Grade of Concrete** : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-08-23	21-09-23	28	22500	395	17.56	**17.78**
	002	"	"	"	"	405	18.00	
	003	"	"	"	"	400	17.78	

The result of the materials tested meets the standards and hence can be used for the work From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/PYNK/2023-24/CB3A

Date: 21-09-2023

TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04".}

Ref: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-08-23	21-09-23	28	22500	415	18.44	**18.07**
	002	"	"	"	"	400	17.78	
	003	"	"	"	"	405	18.00	

The result of the materials tested meets the standards and hence can be used for the work.
From ICAR- NBAIR Yelahanka Campus

NEWZEN CONSULTANT Bangalore

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Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT BANGALORE, #304, First floor, 6th Cross,Gidadakonenahalli, Viswaneedam Post, Bangalore-560091. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/PYNK/2023-24/W1 Date: 25-09-2023

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
(Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No.04".)

Ref.: Material testing/PMC/23-24,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. G Venkate Gowda.

TEST RESULTS

1. **Gradation Test:**

Location : Masti Venktesh Iynger Park

TABLE 1.1

Sample **WMM** = Total Weight of the Sample (gm) : 1000.00

Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	0.00	0.00	0.00	**100.00**	100
45.00	26.00	26.00	2.60	**97.40**	95-100
26.50	---	---	---	---	-
22.40	294.00	320.00	32.00	**68.00**	60-80
11.20	181.00	501.00	50.10	**49.90**	40-60
4.75	249.00	750.00	75.00	**25.00**	25-40
2.36	96.00	846.00	84.60	**15.40**	15-30
0.600	68.00	914.00	91.40	**8.60**	8-22
0.075	66.00	980.00	98.00	**2.00**	0-5
Pan	20.00	1000.00	100.00	**0.00**	---

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

2. Properties of Aggregates:

TABLE 1.2

Sl. No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1	Aggregate Impact Value	**27.65 %**	Not more than 30.00 %
2	Combined Flakiness and Elongation index, %	**26.72 %**	Not more than 35.0 %
3	Water absorption, %	**0.45 %**	Not more than 2.0 %
4	Plasticity Index, %	**NP**	Not more than 6.0 %

The result of the materials tested meets the standards and hence can be used for the work

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

C/QC/PVNK/2023-24/PB1 Date: 29-09-2023

TEST REPORT

ub: Testing of Pre-cast Paver Blocks of thickness 60mm.
roject* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04" }
ef. Material testing/PMC/23-24,
port Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
me of the Agency/Contractor*: Sri. G Venkate Gowda.

Technical Reference*: IS 15658-2006.
Square Cobble = 200mm x 200mm

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

COMPRESSIVE STRENGTH:

Identification	Cross Sectional Area, mm^2	Load KN	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
001	40,000	1340	33.50	32.63
002	40,000	1300	32.50	
003	40,000	1270	31.75	
004	40,000	1310	32.75	
005	40,000	1330	33.25	
006	40,000	1280	32.00	

asti Venktesh Iynger Park

NEWZEN CONSULTANT Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NC/QC/PYNK/2023-24/K1

Date: 04-10-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04" }
Ref.: Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G Venkate Gowda.

1. PHYSICAL TESTS ON KERB STONES :

ı of ire) m)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
.00	85.00	0.385	2306.81	1.70	0.960	32.60	16.60	17.93	17.21	21.52
.00	85.00	0.389	2330.78	1.70	0.960	31.40	15.99	17.27	16.58	20.73
.00	85.00	0.394	2360.74	1.70	0.960	32.30	16.45	17.77	17.06	21.32

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site Dara Bendre Park Inside LHS Side

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

NC/QC/PYNK/2023-24/K2

Date: 04-10-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
(Project* "Development of parks at Sandeep Unnikrishnan road from purvankara Apartment to GKVK road in Attur Ward No 04".)
Ref: Material testing/PMC/23-24,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. G Venkate Gowda.

1. PHYSICAL TESTS ON KERB STONES :

Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
50.00	85.00	0.392	2348.75	1.70	0.960	32.90	16.76	18.10	17.37	21.72
50.00	85.00	0.397	2378.71	1.70	0.960	32.10	16.35	17.66	16.95	21.19
50.00	85.00	0.390	2336.77	1.70	0.960	33.40	17.01	18.37	17.64	22.05

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Masti Venktesh Iynger Park

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92